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STRUCTURE FILE UPDATES: 10 JAN 2011 HIGHEST RN 1258930-61-8  
 DICTIONARY FILE UPDATES: 10 JAN 2011 HIGHEST RN 1258930-61-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

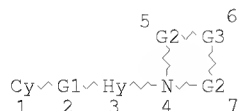
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta l14  
 L5 STR



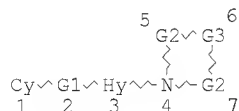
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 ECOUNT IS E4 C E2 N AT 3

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE  
 L6 1749673 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 46.195/RID AND  
 NRS>=3  
 L14 26410 SEA FILE=REGISTRY SUB=L6 SSS FUL L5

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 SEARCH TIME: 00.00.12

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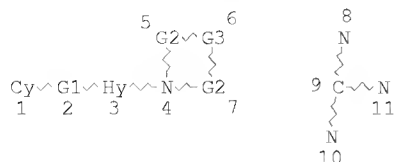


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GRAPH ATTRIBUTES:  
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NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

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NRS>=3  
L14 26410 SEA FILE=REGISTRY SUB=L6 SSS FUL L5  
L16 STR



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DEFAULT ECLEVEL IS LIMITED  
ECOUNT IS E4 C E2 N AT 3

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STEREO ATTRIBUTES: NONE

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SEARCH TIME: 00.00.01

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FILE COVERS 1907 - 11 Jan 2011 VOL 154 ISS 3  
FILE LAST UPDATED: 10 Jan 2011 (20110110/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

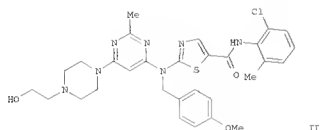
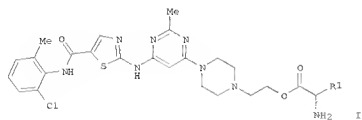
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This file contains CAS Registry Numbers for easy and accurate substance identification.

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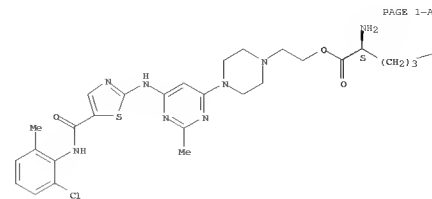
L22 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2011 ACS on STN  
 AN 2009:1546443 ZCAPLUS  
 DN 152:97483  
 TI Preparation of Dasatinib derivatives as antitumor agents  
 IN Wang, Jianmin  
 PA Beijing Labo Sallusen Pharmaceutical Science and Technology Co., Ltd.,  
 Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 25pp.  
 CODEN: CNXKEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN-----101597284	A	20091209	2009CN-010089059	20090722
PPAI 2009CN-010089059		20090722		
OS CASREACT 152:97483; MARPAT 152:97483				
GI				



AB Title compds. [I; wherein R1 = H, (un)substituted alkyl, cycloalkyl, or aryl, etc.], and their pharmaceutically acceptable salts thereof, were prepared as antitumor agents. Thus, the invention compound I (R1 = i-Bu) was prepared by esterification of compound II (prepared given) with Boc-L-leucine followed by deprotection.  
 IT **1094075-80-5P** **1203456-85-2P**  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of Dasatinib derivs. as antitumor agents)  
 RN 1094075-80-5 ZCAPLUS  
 CN L-Arginine, 2-[4-[6-[[5-[[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)  
 Absolute stereochemistry.

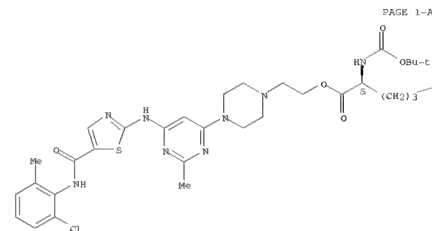
L22 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2011 ACS on STN (Continued)



PAGE 1-B



RN 1203456-85-2 ZCAPLUS  
 CN L-Arginine, N2-[(1,1-dimethylethoxy)carbonyl]-, 2-[4-[6-[[5-[[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)  
 Absolute stereochemistry.



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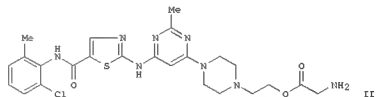
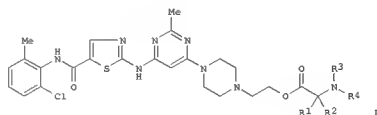
L22 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-B



L22 ANSWER 2 OF 4 ZCAPLUS COPYRIGHT 2011 ACS on STN  
 AN 2008:1467949 ZCAPLUS  
 DN 150:77944  
 TI Preparation of Dasatinib amino acid derivatives as antitumor agents  
 IN Wang, Jianmin  
 PA Peop. Rep. China  
 SO Faming Zhuanli Shenqing, 45pp.  
 CODEN: CNXKEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

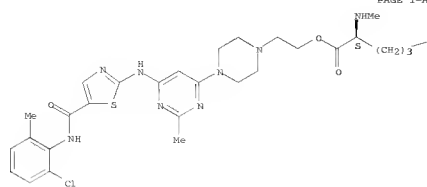
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CN-----101314600	A	20081203	2008CN-010111853	20080516
CN-----100532381	C	20090826		
PPAI 2008CN-010111853		20080516		
OS CASREACT 150:77944; MARPAT 150:77944				
GI				



AB The title Dasatinib amino acid derivs. I [wherein R1-R4 = independently H, (un)substituted (cyclo)alkyl, aryl, or aralkyl; or R1 and R2 form an (un)substituted cycloalkyl; or R2/R3 or R3/R4 form an (un)substituted heterocyclyl; with the proviso R2(R1) ≠ iso-Pr when R1(R2), R3, and R4 = H], or pharmaceutically acceptable salts, solvates, polycrystals, enantiomers, or racemic mixes. thereof were prepared for treating tumor, such as leukemia, myelodysplasia, Hodgkin's disease, non-Hodgkin's lymphoma, etc. For example, II was prepared from reaction of Dasatinib With N-Boc-glycine followed by removing the Boc group. In biol. test, II showed 11% bioavailability. The compds. can be used as prodrugs of Dasatinib, producing Dasatinib by enzymic hydrolysis.  
 IT **1094074-82-4P** **1094074-83-5P** **1094074-85-7P**  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of Dasatinib amino acid derivs. as antitumor agents)  
 RN 1094074-82-4 ZCAPLUS  
 CN L-Arginine, N2-methyl-, 2-[4-[6-[[5-[[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)  
 Absolute stereochemistry.

L22 ANSWER 2 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-A



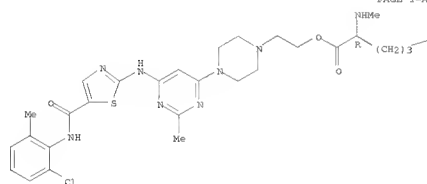
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RN 1094074-83-5 SCAPLUS  
 CN D-Arginine, N2-methyl-, 2-[4-[6-[[5-[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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L22 ANSWER 2 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STN (Continued)

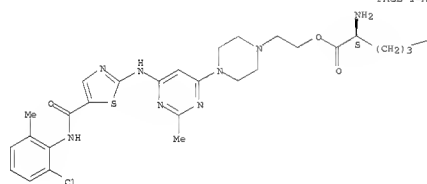
PAGE 1-B



RN 1094075-80-5 SCAPLUS  
 CN L-Arginine, 2-[4-[6-[[5-[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



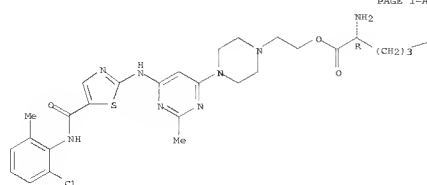
PAGE 1-B



RN 1094075-81-6 SCAPLUS  
 CN D-Arginine, 2-[4-[6-[[5-[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



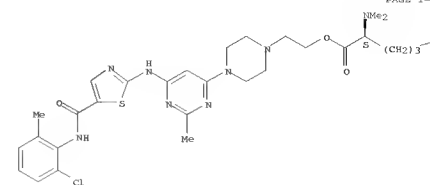
L22 ANSWER 2 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-A

RN 1094074-85-7 SCAPLUS  
 CN L-Arginine, N2,N2-dimethyl-, 2-[4-[6-[[5-[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



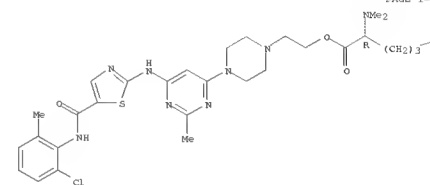
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RN 1094074-86-8 SCAPLUS  
 CN D-Arginine, N2,N2-dimethyl-, 2-[4-[6-[[5-[[2-chloro-6-methylphenyl]amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-pyrimidinyl]-1-piperazinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



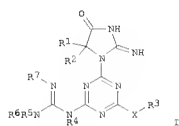
L22 ANSWER 2 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STN (Continued)

PAGE 1-B



L22 ANSWER 3 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STM  
 AN 2008:728540 SCAPLUS  
 DN 149:54023  
 TI Preparation of novel imidazolones as guanylyl cyclase receptor A (GC-A) agonists  
 IN Namikawa, Koji; Shimamoto, Tetsuo; Kitano, Katsuhiko; Koyama, Yoshiaki  
 PA Asubio Pharma Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 3ppp.  
 CODEN: JKXZAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP--2008127857	A	20080619	2006JP-000322504	20061129
PRAI 2006JP-000322504		20061129		
OS MARPAT 149:54023				
GI				

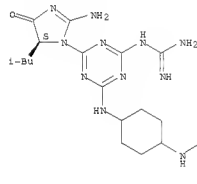


AB Title compds. I (R1, R2, R4-R7 = C1-6 alkyl, C6-14 aromatic hydrocarbyl, R3 = C1-10 alkyl, C6-14 aromatic hydrocarbyl, R5 = NH, O), their salts, or their solvates are prepared. The imidazolones show diuretic activity, thus useful for treatment of acute heart failure. Thus, 150 mg N-(4-anilino-6-chloro-1,3,5-triazin-2-yl)-L-leucine Me ester was treated with 300 mg guanidine at 100° in propionitrile, then treated with aqueous CF3CO2H to give 348 mg 1-[4-(2-amino-5-isobutyl-4-oxo-4,5-dihydro-1H-imidazol-1-yl)-6-anilino-1,3,5-triazin-2-yl]guanidine ditrifluoroacetate, which showed GC-A receptor agonist activity with ED50 value of 4000 nM in CHO/human GCA (4A) cells.

1033127-69-3P  
 RI: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PACT (Reactant or reagent); USES (Uses)  
 (Preparation of (imidazolyltriazinyl)guanidines as guanylyl cyclase receptor A agonists for treatment of acute heart failure)  
 RN 1033127-69-3 SCAPLUS  
 CN Guanidine, N-(4-[(5S)-2-amino-4,5-dihydro-5-(2-methylpropyl)-4-oxo-1H-imidazol-1-yl]-6-anilino-1,3,5-triazin-2-yl)guanidine ditrifluoroacetate, which showed GC-A receptor agonist activity with ED50 value of 4000 nM in CHO/human GCA (4A) cells.  
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 CRN 1033127-69-2  
 CMF C29 H44 Cl N15 O2

Absolute stereochemistry.

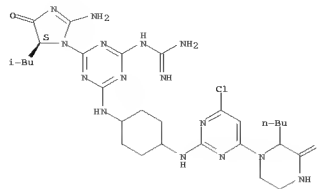
L22 ANSWER 3 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STM (Continued)



CM 2  
 CRN 76-05-1  
 CMF C2 H F3 O2



L22 ANSWER 3 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STM (Continued)



CM 2  
 CRN 76-05-1  
 CMF C2 H F3 O2



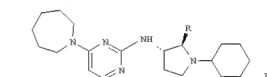
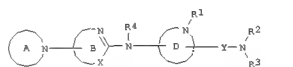
IT 1033127-71-7P  
 RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (Preparation of (imidazolyltriazinyl)guanidines as guanylyl cyclase receptor A agonists for treatment of acute heart failure)  
 RN 1033127-71-7 SCAPLUS  
 CN Guanidine, N-(4-[(5S)-2-amino-4,5-dihydro-5-(2-methylpropyl)-4-oxo-1H-imidazol-1-yl]-6-anilino-1,3,5-triazin-2-yl)guanidine ditrifluoroacetate, which showed GC-A receptor agonist activity with ED50 value of 4000 nM in CHO/human GCA (4A) cells.  
 CM 1  
 CRN 1033127-70-6  
 CMF C29 H45 N15 O2

Absolute stereochemistry.

L22 ANSWER 4 OF 4 SCAPLUS COPYRIGHT 2011 ACS on STM  
 AN 2006:887712 SCAPLUS  
 DN 145:293089  
 TI Preparation of 2-aminopyrimidine compounds as CXCR4 antagonists  
 IN Ochiai, Hiroshi; Ohnata, Akira; Takaoka, Yoshikazu; Shibayama, Shiro  
 PA Ono Pharmaceutical Co., Ltd., Japan  
 SO PCT Int. Appl., 17ppp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

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RM: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GM, GU, HR, HE, SN, TD, TG, BW, GB, GM, KE, LS, MW, MS, NA, SD, SL, SE, TS, UG, ZM, ZW, AM, AZ, BY, EG, KZ, MD, RU, TJ, TM				
EP-----1852432	A1	20071107	2006EP-000714616	20060224
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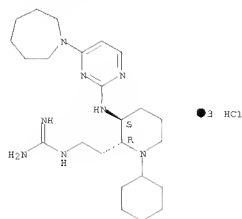
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OS MARPAT 145:293089  
 GI



AB Title compds. I [ring A = (un)substituted heterocycle containing nitrogen; ring B = optionally substituted unsatd. heterocycle containing nitrogen; ring D = (un)substituted heterocycle containing nitrogen; X = nitrogen, carbon; Y = spacer; R1 = H, (un)substituted hydrocarbon group, (un)substituted cyclic group; R2, R3 = H, (un)substituted hydrocarbon group, (un)substituted cyclic group, etc.; R2 and R3 together with the nitrogen atom to which they bonded may combine to form an optionally substituted heterocycle containing nitrogen; R4 = H, (un)substituted hydrocarbon group, salts, N-oxide, solvates or prodrugs thereof were prepared. For example, reductive amination of 4-(1-azepanyl)-N-[(2R,3S)-2-(azidomethyl)-3-pyrrolidinyl]-2-pyrimidineamine, 6-g prepared from tert-Bu (2R,3S)-3-[(tert-butylidimethylsilyl)oxy]-2-(hydroxymethyl)-1-pyrrolidinecarboxylate in 9 steps, with cyclononane followed by Pd/C catalyzed reduction under H2 afforded (2R,3S)-II (R = CH2NH2). In CXCR4 binding inhibition assays using human stromal cell derived factor 1 (SDF-1), the IC50 value of (2R,3S)-II (R = CH2)3NH2 was 1.6 nM. Compds. I are claimed useful for the treatment of AIDS, articular rheumatism, etc.

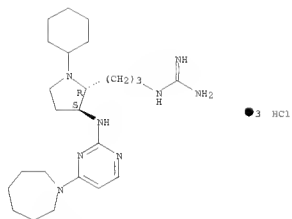
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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 2-aminopyrimidine compds. as CXCR4 antagonists for treatment of AIDS, articular rheumatism, etc.)  
 RN 908022-00-4 ZCAPLUS  
 CN Guanidine, N-[2-[(2R,3S)-1-cyclohexyl-3-[[4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl]amino]-2-piperidinyl]ethyl]-, hydrochloride (1:3), rel- (CA INDEX NAME)

Relative stereochemistry.



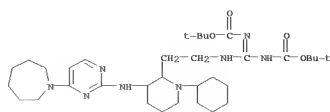
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Relative stereochemistry.



IT **908128-34-7P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 2-aminopyrimidine compds. as CXCR4 antagonists for treatment of AIDS, articular rheumatism, etc.)  
 RN 908128-34-7 ZCAPLUS  
 CN Carbamic acid, [[12-[(2R,3S)-1-cyclohexyl-3-[[4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl]amino]-2-piperidinyl]ethyl]amino][[1,1-

L22 ANSWER 4 OF 4 ZCAPLUS COPYRIGHT 2011 ACS on STN (Continued)  
 dimethylethoxycarbonyl]amino]methylene]-, 1,1-dimethylethyl ester, [N(E)]-rel- (9CI) (CA INDEX NAME)



RE\_CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 14:07:41 ON 11 JAN 2011)

FILE 'ZCAPLUS' ENTERED AT 14:08:24 ON 11 JAN 2011

L1 1 US20060217379 /PN

FILE 'REGISTRY' ENTERED AT 14:08:39 ON 11 JAN 2011

FILE 'ZCAPLUS' ENTERED AT 14:08:39 ON 11 JAN 2011

L2 TRA L1 1- RN : 389 TERMS

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L3 389 SEA L2

L4 336 NCNC3/ES AND L3

L5 STR

L6 1749673 46.195/RID AND NRS&gt;=3

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L8 STR L5

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L15 0 L12 SAM SUB=L14

L16 STR L12

L17 0 L16 SAM SUB=L14

L18 16 L16 FULL SUB=L14

SAV TEM J657C1N/A L18

L19 0 L18 AND L3

L20 113 L3 AND N&gt;=6

L21 112 L20 AND L4

FILE 'ZCAPLUS' ENTERED AT 14:33:36 ON 11 JAN 2011

L22 4 L18

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